Attachment, Setup, Service

General Notes 2
Intended Purpose 2
Properties 2
System requirements 3
Printer type 3
Preparation for peripheral devices 3
Attaching the rewinder 4
General information about setting up the printer 5
Direction of rotation 5
Dancer arm deflection 5
Rotation speed with 64-xx / AP 5.4 6
Setting up TTX 350 / TTK 7
Activating the rewinder / Selecting the Rotation Direction 7
Setting the sensor current 8
Adjusting the sensor 9
Setting up 64-xx / AP 5.4 / AP 7.t 11
Activating the rewinder 11
Selecting the direction of rotation 11
Setting the sensor current 12
Adjusting the sensor 13
Status reports 14
Inserting material 15
Starting 17
Starting TTX 350 / TTK 17
Starting 64-xx / AP 5.4 / AP 7.t 17
Servicing the Rewinder 19
General notes 19
Function check 19
64-xx: Setting the output stage 19
TTX 350 / TTK: Setting the output stage 20
Rewinder core 21
Buffer disc 22
Toothed belt 23
Belt tensioner 23
Cable harness / light barrier 24
Light barrier wedge 25
Tension spring 25
Bouncer arm 25
Guide roller 25
(AP 5.4) Run-in roller for narrow labels 26
Technical Specifications 27
Troubleshooting 28
Appendix 29
Pin assignment light barrier board 29
Pin assignment D-Sub plug 29
Index 30

General Notes

Intended Purpose

The rewinder option is a peripheral device for label printers of the types TTK, TTX 350, 64-xx, AP 5.4 and AP 7.t. The device is designed for winding up label material after it has been printed using one of the printer types named above.

Properties

As opposed to the stand-alone rewinding devices Junior Rewinder and Jumbo Rewinder, the rewinder option (subsequently referred to as the rewinder) is permanently attached to the printer. The printer provides power for the rewinder motor via a socket on the front, which is also used for receiving signals relating to the lateral deflection of the bouncer arm.

Rotational speed While the material is being wound up, the rotational speed is controlled via the lateral deflection of the bouncer arm. The greater the lateral deflection, the lower the rotational speed. If the label material sags – the bouncer arm is in this case only slightly deflected – the rewinder increases the rotational speed in order to make up the "delay". This ensures that the label material is rolled up evenly tautly. Without lateral deflection - e.g. when the material is finished – the rewinding process stops after about four seconds.

Direction of rotation The label material can be alternately rolled up with the labels facing outwards or inwards by reversing the direction of rotation.

System requirements

Printer type

The rewinder can be operated with the following printer types:

- TTX 350
- TTK
- 64-xx
- AP 5.4
- AP 7.t

Preparation for peripheral devices

For using the printers with a rewinder, they must be especially equipped (see Tab. 1). This so called peripherals preparation consists mainly of an additional output stage board for the motor of the peripheral device and of someadditional connection cables.

Printer	Peripherals Preparation
64-xx	Optional
TTX 350	Optional
TTK	Standard
AP 5.4	Standard with printer version „Peripheral“
AP 7.t	Standard

Tab. 1 Only the TTK is always equipped with the peripheral preparation. For the other printer types this is an option.

Peripheral test

Do the following, if you are not sure, wether the printer is equipped with peripheral preparation:

- TTK / TTX 350:

➔ Set parameter SYSP > PEPH to KNIF.

If the printer displays the status message ST68 after the ENTER key is pressed, the peripheral board is not installed. If ST68 does not appear or if a different status message is displayed, then the printer has been set up for peripheral devices.

- 64-xx / AP 5.4 / AP 7.t:

➔ Make a service status printout: Call parameter PRINT INFO > Service Status.

64-xx and AP 5.4 printers are equipped with peripheral preparation if the topic “Peripheraldriver” can be found below the header “Peripheraldriver” on the printout.

Attaching the rewinder

- Before beginning service work, switch off the printer and pull out the mains power supply plug!
- Under no circumstances should you use the dancer arm as a carrying handle! A bent dancer arm will cause the device to malfunction!

The rewinder (1) is attached to the front of the printer (2) with two screws. The support leg (3) absorbs some of the strain exerted by the material roll.

- Other options which may be installed or the cover must be removed before assembling the rewinder.

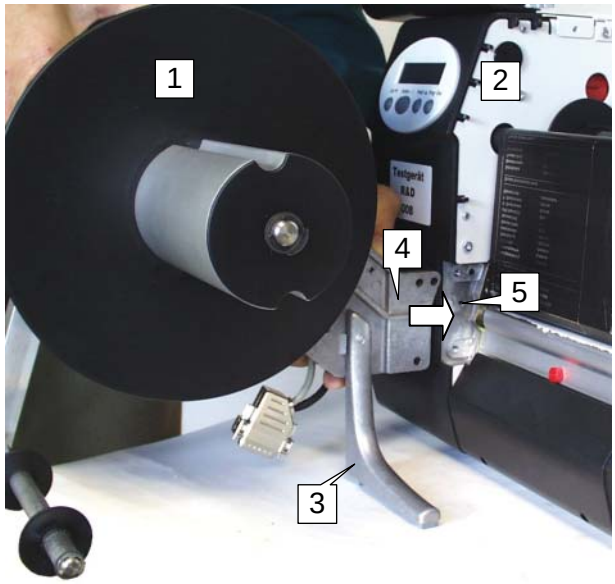
Tool

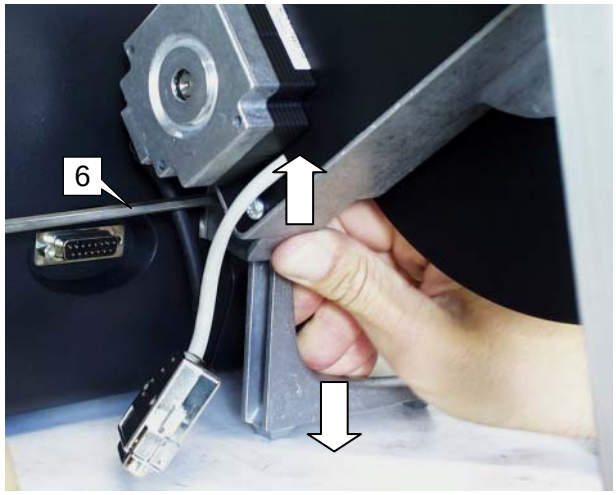
– Allan key 3mm

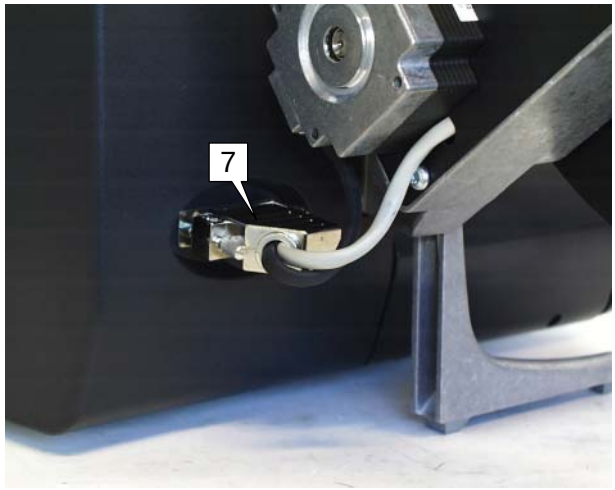
Assembly / Disassembling

1. Place the printer on a level surface. Ensure that there is enough room in front of the printer for the support leg (3) of the rewinder.
2. Attach the rewinder housing (4) to the printer recess (5) using the two screws supplied.
3. Loosen the supporting leg fastening screw (6). Push down the support leg until it stands on the surface. Push up the rewinder a little and at the same time tighten the fastening screw.
   - The weight of the material roll should rest on the support leg.
4. Plug in the connector plug (7).

- Under no circumstances should the plug be attached or removed when the device is switched on, as otherwise the device electronics could be damaged.







General information about setting up the printer

After mounting the rewinder you must set up the printer for operation with the new peripheral device. This is done by selecting the appropriate parameter in the parameter menu of the printer.

Direction of rotation

The rewinder can be operated in two rotation directions, which are designated in a different way in the parameter menues of the printers.

Printer	Designation of the rotation direction	
TTK/TTX 350	“DIRL”	“DIRR”
64-xx/AP 5.4/AP 7.t	“Printing outside”	“Printing inside”

Tab. 2 The designations of the rotation direction are different in the parameter menus of TTK/TTX 350 and 64-xx/AP 5.4/AP 7.t.

- TTK / TTX 350:
  The direction of rotation is requested after selecting the rewinder option in the parameter menu.
- 64-xx / AP 5.4 / AP 7.t:
  The rotation direction is set by a separate parameter.

➠ Default setting: “Printing outside”.

Dancer arm deflection

In the mode "DIRR"/"Printing inside", material does not wrap itself around the bouncer arm as much as is the case with "DIRL"/"Printing outside" (Tab. 2). Particularly with larger roll diameters, the dancer arm would often shoot from one extreme position to the other. The material would then be wound up in a jolting manner.

For this reason, the software is adjusted when "Direction of rotation right" "Printing inside" is selected – it then only uses approximately 50% of the maximum dancer arm deflection for controlling the motor.

Rotation speed with 64-xx / AP 5.4

With printers of the types 64-xx / AP 5.4 / AP 7.t, the rewinder rotation speed depends on the print speed. A low print speed leads to a slower rewinder rotation as a high print speed. An exception to this rule is the rotation speed directly after starting the wind-up process.

❍ For details to this, refer to the section Starting on page 17.

Setting up TTX 350 / TTK

Setup the printer for rewinder-use by performing the three subsequently described steps:

1. Activating the rewinder / Selecting the Rotation Direction on page 7.
2. Setting the sensor current on page 8.
3. Adjusting the sensor on page 9.

How to perform the steps is explained in the following.

❍ A complete description of the parameters can be found in the chapter "Info Printouts and Parameters" in the User Manual of the printer.

Activating the rewinder / Selecting the Rotation Direction

➠ CAUTION! - Selecting a non-existent option can cause the device to malfunction!

		Action	Display	Note
	1.	Connect the printer and switch it on	OFF	
	2.	Press the CUT+FEED button	INFO	
	3.	Repeatedly press the CUT button until	SYSP	
	4.	Press the ENTER button	EMUL	
	5.	Repeatedly press the CUT button until	PEPH	
	6.	Press the ENTER button	NONE	*If a peripheral device has previously not been set.*
	7.	Repeatedly press the CUT button until	RWND	
Direction of rotation	8a.	Press the ENTER button	DIRL	*Step 8a for direction of rotation left.*
	8b.	Press the CUT button	DIRR	*Step 8b for direction of rotation right.*
	9.	Press the ENTER button		*The printer restarts.*

The rewinder is now activated. Other previously activated options are automatically deactivated (see parameter PEPH).

Setting the sensor current

Befor using the rewinder for the first time, the sensor current must be set by a potentiometer at the rewinder (see Fig. 1).

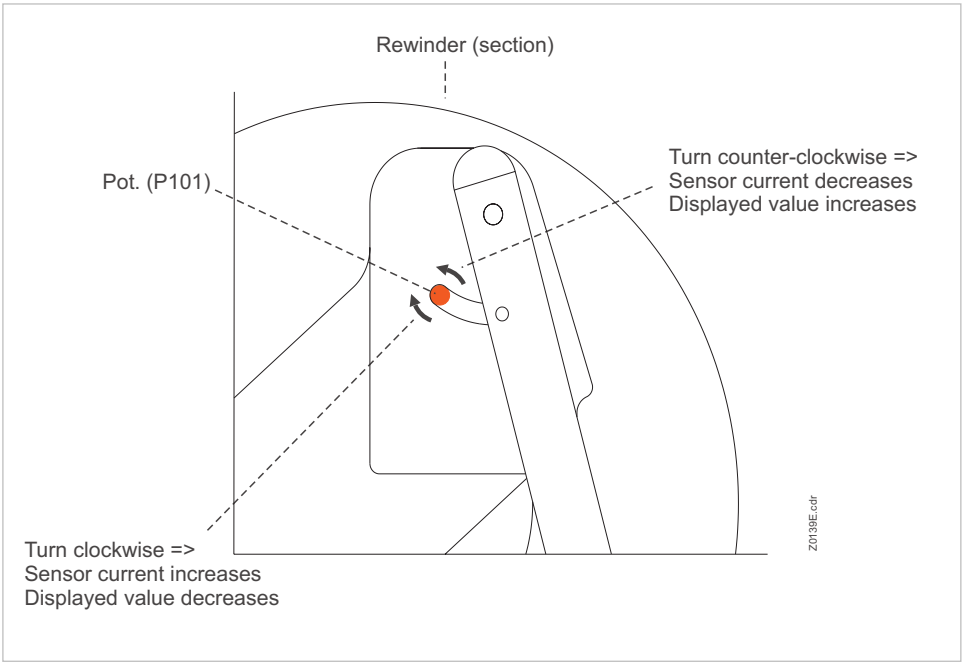


Fig. 1 The pot. can be accessed through a slot in the back cover of the rewinder.

	Action	Display	Note
1.	Select parameter OTHR > SCHK.	SCHK	
2.	Press the ENTER button	Pxxx	*Other information may be displayed depending on the printer type; xxx = variable value.*
3.	Repeatedly press the CUT button until	Wxxx	
4.	Set the rewinder pot. (Fig. 1) so that a value between 20 and 30 is displayed.	W20	*Bouncer arm in zero position (Fig. 2); 24 = set value.*
5.	Move the bouncer arm to the final position (towards the support leg). Check the displayed value*.	W141	*141 = set value (example) in the final position; Value difference = 117 (o.k.)*

*) *The value with the bouncer arm in its final position must be at least 100 higher than the value in zero position, which was set in step 4. Most important ist the difference between the two values in the two end positions: the difference must equal/be higher than 100, ideally 110. Repeat step 4 and set a higher value in the zero position, if the difference is too little.*

Adjusting the sensor

The bouncer arm controls the winding speed of the rewinder by means of a sensor. Bevor applying the rewinder for the first time, the bouncer arm has to be brought in both end positions to adjust the sensor.

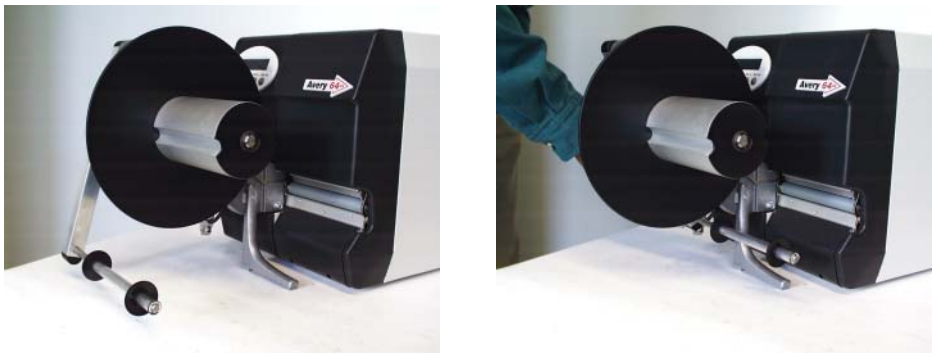


Fig. 2 Left side: bouncer arm in zero position; right side: bouncer arm in final position.

	Action	Display	Note
1.	Select parameter SYSP > PEPH.	PEPH	
2.	Press the ENTER button	RWND	*If the rewinder has already been set.*
3.	Repeatedly press the CUT button until	RADJ	
4.	Press the ENTER button	RNUL	*Initially setting of the sensor with the bouncer arm in the zero position. (See fig. above left)*
5.	Press the ENTER button	xxx	*xxx = actual sensor value; the displayed value is altered by moving the bouncer arm.*
6.	Move the bouncer arm appr. 5 mm out of the zero position. Press the ENTER button.	REND	
7.	Press the ENTER button	xxx	*xxx = actual sensor value; the displayed value is altered by moving the bouncer arm.*
8.	Move the bouncer arm up to the stop plate in the direction of the support leg, and then back again by approx. 5 mm. Press the ENTER button.	RWND	
9.	Repeatedly press the CUT+FEED button until	OFF	

Set the value approx. 5 mm before reaching the final or zero position, respectively!

CAUTION! - If programming is interrupted by pressing the CUT+FEED button, the printer uses preset values which may cause the device to malfunction!

- A complete description of the parameters can be found in the chapter "Info Printouts and Parameters" in the User Manual of the printer being used.

Setting up 64-xx / AP 5.4 / AP 7.t

Setup the printer for rewinder-use by performing the following steps:

1. Activating the rewinder on page 11.
2. Selecting the direction of rotation on page 11.
3. Setting the sensor current on page 12.
4. Adjusting the sensor on page 13.

How to perform the steps is explained in the following.

❍ A complete description of the parameters can be found in the chapter "Info Printouts and Parameters" in the User Manual 64-xx.

Activating the rewinder

CAUTION! - Selecting a non-existent option can cause the device to malfunction!

➔ Set SYSTEM PARAMETERS > Periph. device to “Rewinder”.

The rewinder is now activated. Other previously activated options are automatically deactivated.

Selecting the direction of rotation

	Action	Display	Note
1.	Press the Prog button	PRINT INFO	
2.	Press the Cut button	PRINT PARAMETERS	
3.	Press the Online button	Print speed	
4.	Repeatedly press the Cut button until	Rewind direction	
5a.	Press the Online button	Rewind direction Printing inside	Step 5a for printing facing inwards
5b.	Press the Cut button	Rewind direction Printing outside	Step 5b for printing facing outwards
6.	Press the Online button	Rewind direction	
7.	Repeatedly press the Prog button until	OFFLINE 0 JOBS	

Setting the sensor current

Befor using the rewinder for the first time, the sensor current must be set by a potentiometer at the rewinder (see Fig. 3).

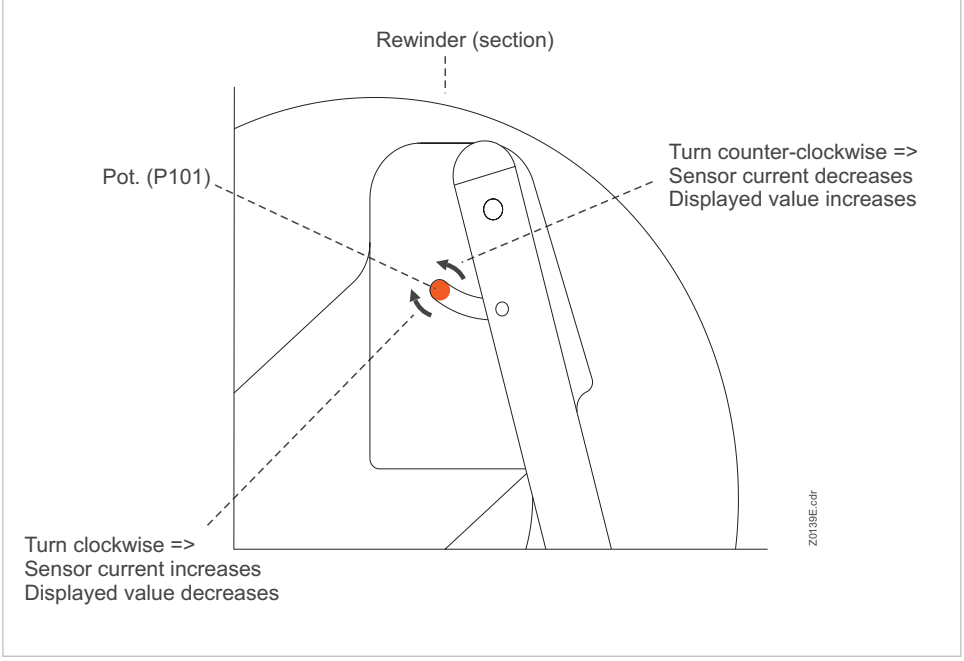


Fig. 3 The pot. can be accessed through a slot in the back cover of the rewinder.

	Action	Display	Note
1.	Select parameter SERVICE FUNCTION > Sensor test.	Sensor test Sens: 0.01 xxx	*xxx is the value supplied by the sensor*
2.	Press the Feed button repeatedly until	Sensor test Sens: 4.01 xxx	*4.01 = sensor peripheral devices*
3.	Set the rewinder pot. (Fig. 1) so that a value between 20 and 30 is displayed.	Sensor test Sens: 4.01 27	*Bouncer arm in zero position (Fig. 2); 27 = set value.*
4.	Move the bouncer arm to the final position (towards the support leg). Check the displayed value*.	Sensor test Sens: 4.01 130	*130 = set value (example) in the final position; Value difference = 103 (o.k.)*

*) *The value with the bouncer arm in its final position must be at least 80 higher than the value in zero position, which was set in step 3. Most important ist the difference between the two values in the two end positions: the difference must equal/be higher than 80, ideally 100. Repeat step 3 and set a higher value in the zero position, if the difference is too little.*

Adjusting the sensor

The bouncer arm controls the winding speed of the rewinder by means of a sensor. Bevor applying the rewinder for the first time, the bouncer arm has to be brought in both end positions to adjust the sensor.

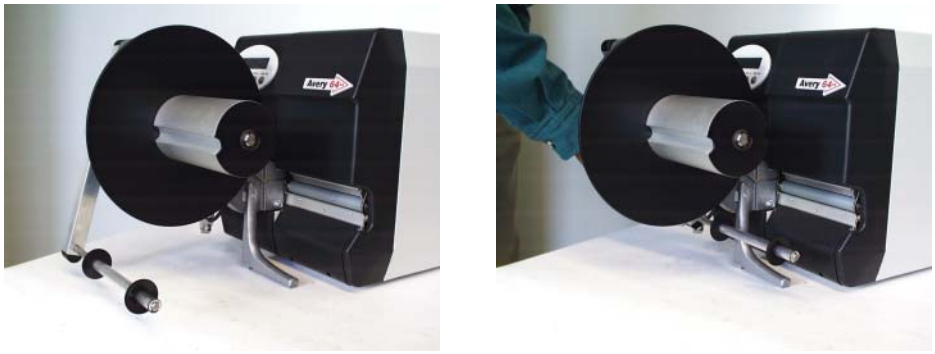


Fig. 4 Left side: bouncer arm in zero position; right side: bouncer arm in final position.

	Action	Display	Note
1.	Select parameter SERVICE FUNCTION > rewinder adjust	rewinder adjust	*If 0 jobs are stored in memory.*
2.	Press the Online button	rewinder adjust Resting pos. xx	*xx = actual value supplied by the sensor; moving the bouncer arm alters the value*
3.	Move the bouncer arm appr. 5 mm out of its resting (zero) position. Press the Cut button.	rewinder adjust End pos. xx	*Mind the notes following this table!*
8.	Move the bouncer arm up to the stop plate i the direction of the support leg, and then back again by approx. 5 mm. Press the Enter button.	rewinder adjust	*Mind the notes following this table!*
9.	Repeatedly press the Prog button until	OFFLINE 0 JOBS	

➠ Set the value approx. 5 mm before reaching the final or zero position, respectively!

➠ Press the Cut button in the resting position but the Online button in the end position!

➠ CAUTION! - If programming is interrupted by pressing the Esc-button, the printer uses preset values which may cause the device to malfunction!

Status reports

The following status reports may be displayed when operating the rewinder:

TTX 350	TTK	64-xx / AP 5.4 / AP 7.t	Example, comment
ST13	ST13	5004 Rewinder mat.ris	Rewinder fault. Occurs with the bouncer arm left in it´s resting position during operation for longer than 4 s (or 6 s for 64-xx / AP 5.4 / AP 7.t respectively). May be caused by material tear off or if no material is loaded.
ST68			No peripheral device preparation

Tab. 3 Status messages caused by printer operation with a rewinder.

❍ For more detailed information, see the chapter "Status Reports" in the User Manual of the printer in question.

Inserting material

Direction of rotation The material – depending on the set direction of rotation – is wound around the core in a clockwise or anti-clockwise direction (see Fig. 5).

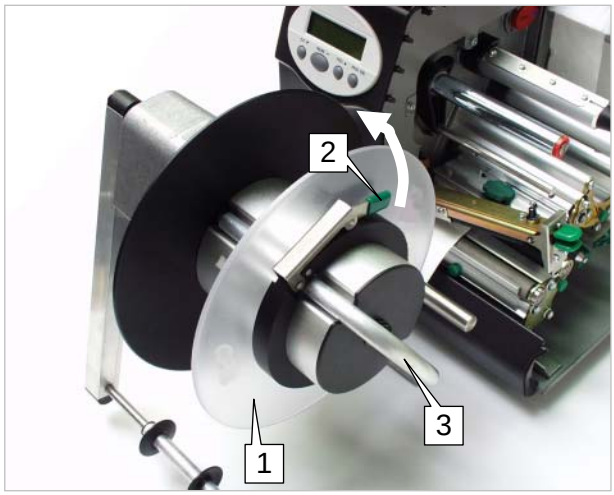
Fig. 5 Left side: direction of rotation = left (labels outside); right side: direction of rotation = right (labels inside)

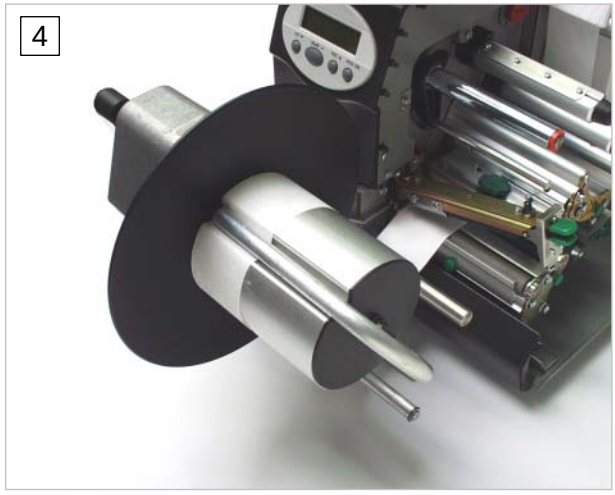
Proceed as follows:

1. Remove the guide disk (1). To do so, open the clamping lever (2). Remove the clamping bar (3).
2. Feed the end of the material web around dancer arm and winding core and fix it with the clamping bar. To do so, push the clamping bar over the material (4).

⇛ If a cardboard core is used: Push the clamping bar underneath the cardboard core.

❍ Continued overleaf.





3. Remount the guide disk.

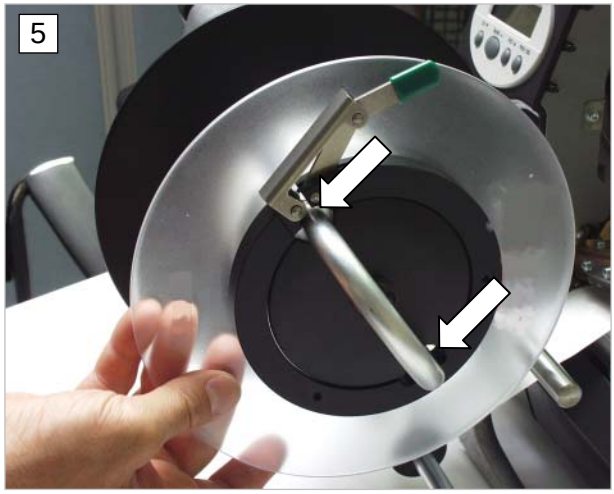
➠ The recesses at the inner diameter of the guide disk (arrows) must be positioned over the clamping bar legs (5).

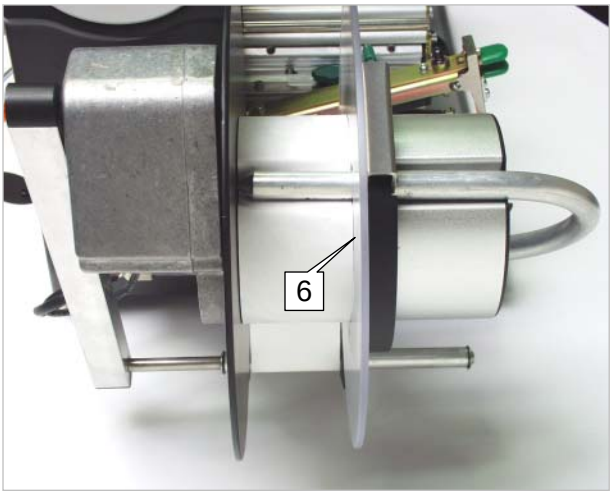
4. Push the guide disk up to the material edge (6). Close the clamping lever.

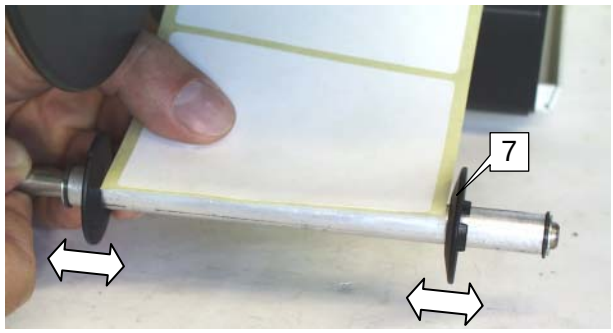
➠ The guide disk may not wedge in the material.

5. Adjust the material guides (7) on the bouncer arm by pushing them sideways until they correspond to the width of the material.

➠ The material should run evenly, and there should be a small gap between it and the material guides.







Starting

After securing the material end, proceed as follows to start printer and rewinder:

The printer is set to off-line mode.

Starting TTX 350 / TTK

1. Press the CUT button.

   The rewinder starts rewinding, until the bouncer arm reaches the final position. At that point, the rewinder stops.

2. Switch the printer on-line.

   If a printjob has already been loaded, both printing and rewinding start nearly simultaneously.

Cut button Start or stop the rewinder by pressing the CUT button. This works in on-line mode as well as in off-line mode.

Material end With no material to rewind, the rewinder stops after approx. 4 s and shows the status report:

```
ST13
```

➔ Press the ON/OFF button to acknowledge the status report.

Starting 64-xx / AP 5.4 / AP 7.t

1. Press the Cut button

   The rewinder starts rewinding, until the bouncer arm reaches the final position. At that point, the rewinder stops.

It is essential to let the bouncer arm initially reach its final position after starting. Only then, the bouncer arm takes control over the rotation speed (explanation below).

2. Switch the printer on-line.

   If a printjob has already been loaded, both printing and rewinding start nearly simultaneously.

Cut button Start or stop the rewinder by pressing the Cut button. This works in on-line mode as well as in off-line mode.

Material end With no material to rewind, the rewinder stops after approx. 6 s and shows the status report:

```
Status          5004
Rewinder mat. tear
```

➔ Press the Online button to acknowledge the status report.

Rotation speed

Pressing the Cut button after securing the material end lets the rewinder start winding at a comparably slow, constant speed. This startup speed is independent of the formerly set printspeed and is maintained until the bouncer arm reaches its final position for the first time after starting. After having reached the final position, you recognize an alternating motor sound as well as a changing rotation speed, indicating that the bouncer arm is from then on controlling the rotation speed.

Servicing the Rewinder

General notes

Before beginning service work, switch off the printer and pull out the mains plug.

➔ Detach the rewinder from the printer before taking the following steps.

Function check

Preconditions:

- The rewinder is attached and connected.
- The appropriate printer parameters for rewinder use are set.

➔ Slowly move the bouncer arm from the resting position to the end position (see Fig. 4) and observe the motor while it is running.

The motor should slow down steadily and may only stop if the bouncer arm reaches the end position.

If the motor stops before the bouncer arm reaches the end position (several cm), there are most probably dark spots and/or inclusions contained in the Light barrier wedge, which influence the control mechanism negatively. In this case, the wedge should be replaced.

If the motor doesn´t stop as soon as the bouncer arm reaches the end position, please check the setting of the sensor current and the setting of the output stage board (next paragraph).

64-xx: Setting the output stage

Output stage boards of the older type must be set to a short-circuit current of 25 mA (see Fig. 6). The older board generation can be recognized by the two potentiometers mounted on it.

The newer board generation (without potentiometers) doesn´t require any setting. The current is set fix to 30 mA on those boards.

❍ For details on setting the output stage boards refer to the service manual, topic section "Service Boards", paragraph "Output stage board".

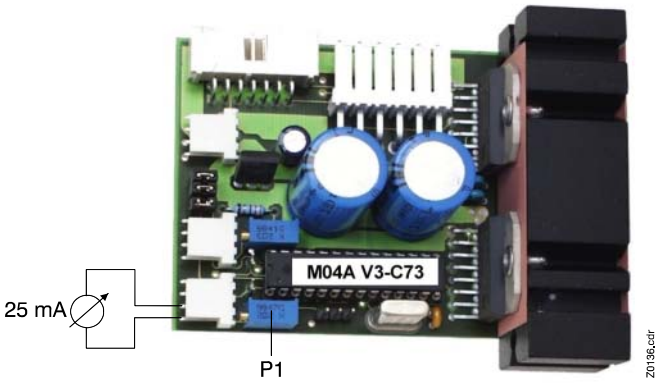


Fig. 6 Setting of the shortcut current on boards of the older type (recognizable by the two potentiometers).

TTX 350 / TTK: Setting the output stage

The peripherals board used in TTX 350 and TTK must be set to a short-circuit current of 30 mA (see Fig. 7).

❍ For details on setting the peripherals board refer to the service manual, topic section "Service Boards", paragraph "Peripherals board".

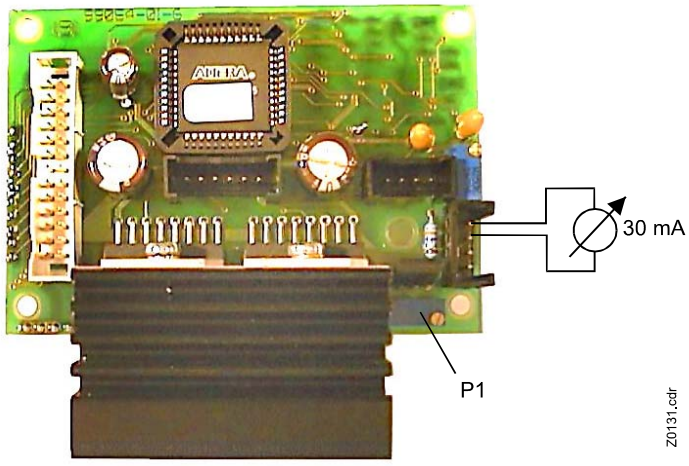


Fig. 7 Setting the short-circuit current on the peripherals board.

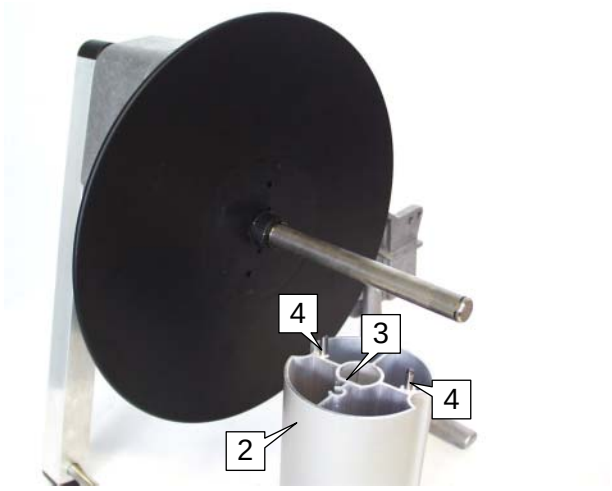
Rewinder core

The rewinder core is available in diameters of 1.5", 3" and 4". The rewinder core can be replaced with another diameter. To do this, proceed as follows:

Disassembling/assembly

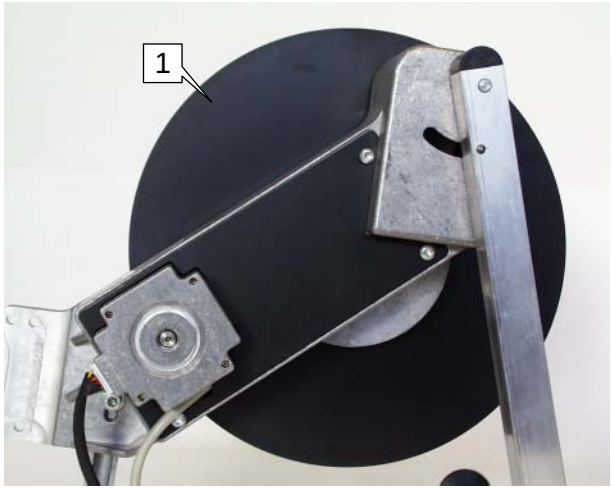
1. Pull off the retaining ring (1).
2. Pull off the rewinder core (2).

➠ Assembly: the flat section (3) and the pins (4) must go into the corresponding recesses of the disc.



Buffer disc

The buffer disc (1) guides the label material while it is being wound up. A ratchet wheel is fitted to the back of the buffer disc, over which the drive belt runs.



Tools

- Screwdriver, medium
- Phillips screwdriver, medium
- Allan key 3mm

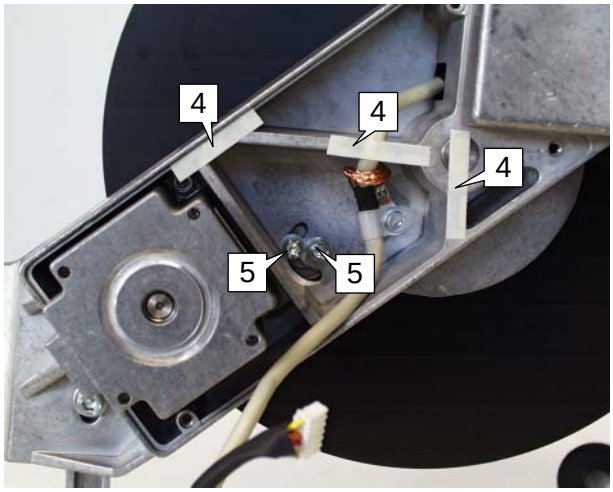
Disassembling

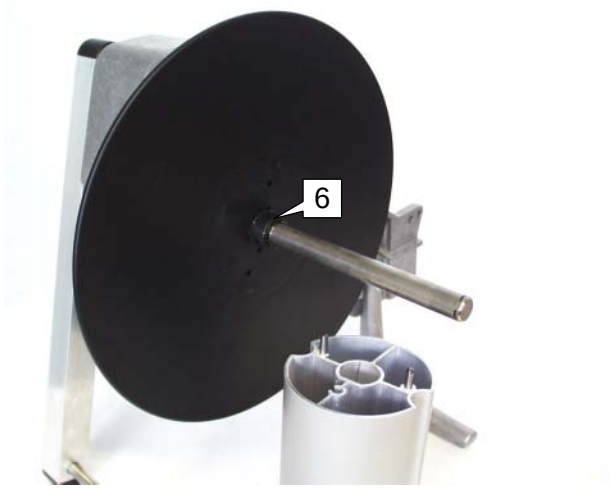
1. Unscrew the three Phillips fastening screws (2) on the cover plate (3). Carefully remove the cover plate.

➠ The cover plate is also held in position by double-sided tape (4).

2. Loosen the two fastening screws (5) of the belt tensioner.
3. Remove the retaining ring (6).
4. Remove the buffer disc.

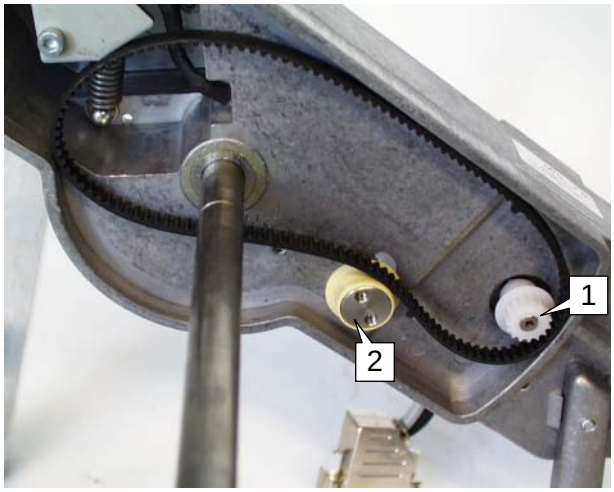
❍ Assembly, see overleaf





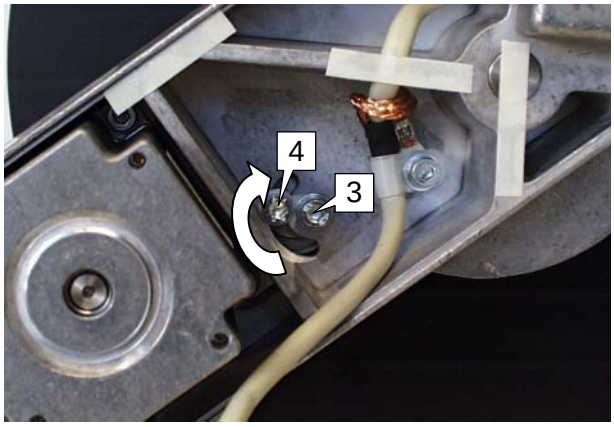
Assembly

1. Lay the belt around the motor sprocket (1) and belt tensioner (2).
2. Slowly tighten the buffer disc just like tightening a chain. Hold the belt in position with a screwdriver.
3. Attach the retaining ring of the buffer disc.
4. Stretch the belt by pressing the tensioning screw (3) in the long slot against the belt. Tighten both screws (3,4).
5. Thread the cover plate over the connector cable and screw it tight.



Toothed belt

❍ Changing the toothed belt as described in the section Buffer disc.



Belt tensioner

Tool

– Allan key 3mm

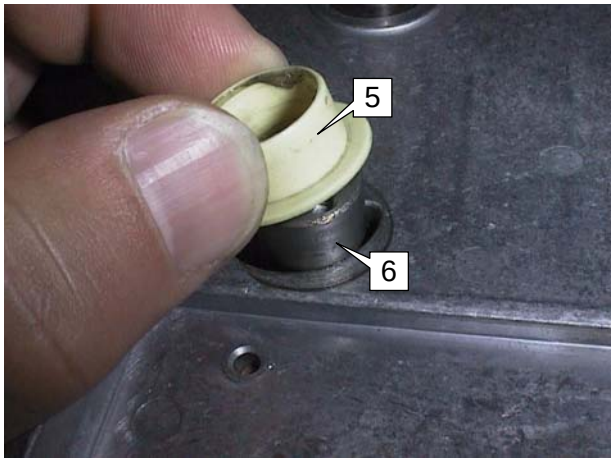
Disassembling/assembly

1. Remove the Rewinder core, Buffer disc and cover plate.

❍ More detailed information can be found in the corresponding sections.

➠ The flange bushing (5) can now be removed.

2. Unscrew the fastening screws (3,4) of the belt tensioner. Remove the eccentric axle (6).
3. Assembly as described in the section "Buffer disc".

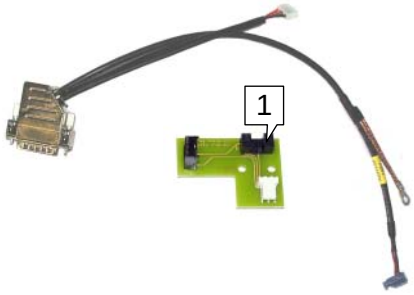


Cable harness / light barrier

The light barrier (transparency), in conjunction with the light barrier wedge, controls the position of the bouncer arm. More or less light is allowed to pass through the light barrier wedge depending on the position of the bouncer arm. The light barrier transforms the amount of light which is received into electrical information.

The light barrier (1) is placed on a small board, together with a potentiometer and a connector.

❍ See also paragraphs Pin assignment light barrier board and Pin assignment D-Sub plug.



Tools

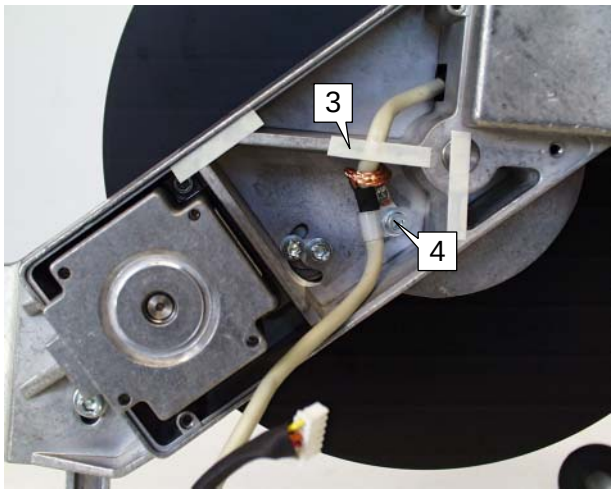
– Allan key 3mm
– Phillips screwdriver, small

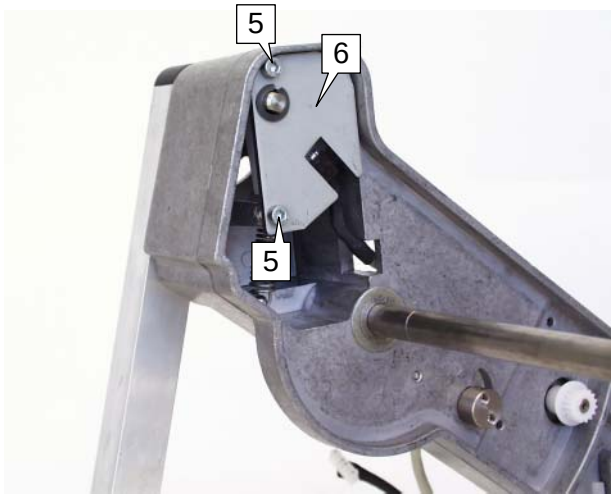
Disassembling/assembly

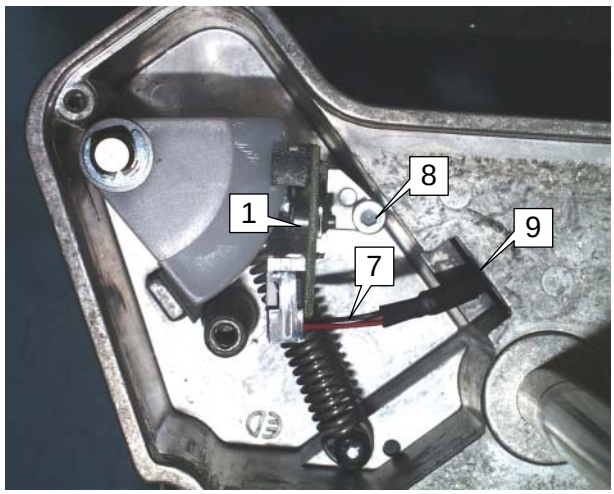
1. Remove the Rewinder core, Buffer disc and cover plate.

❍ More detailed information can be found in the corresponding sections.

2. Remove the adhesive tape strips (3); unscrew the screw (4) securing the cable.
3. Unscrew the two fastening screws (5) of the base plate (6). Remove the base plate.
4. Plug the cable (7) off the board (1).
5. Unscrew the fastening screw (8) of the light barrier bracket. Take out the board (1).
6. Thread the cable through the recess (9) in the rewinder housing.







Light barrier wedge

Tool

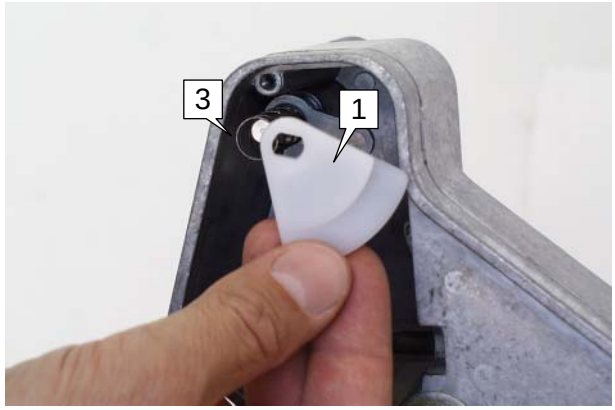
– Screwdriver, small

Disassembling/assembly

1. Disassembling the light barrier.

❍ More detailed information can be found in the section Cable harness / light barrier.

2. Remove the retaining ring and light barrier wedge (1).



Tension spring

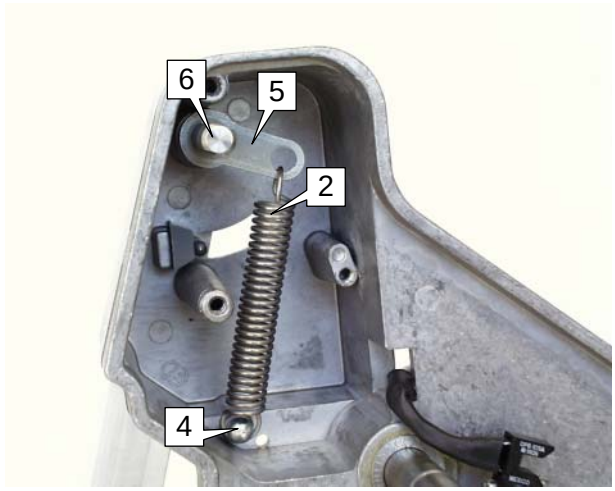
The tension spring (2) returns the bouncer arm to the zero position.

Disassembling/assembly

1. Disassembling the light barrier and Light barrier wedge.

❍ More detailed information can be found in the corresponding sections.

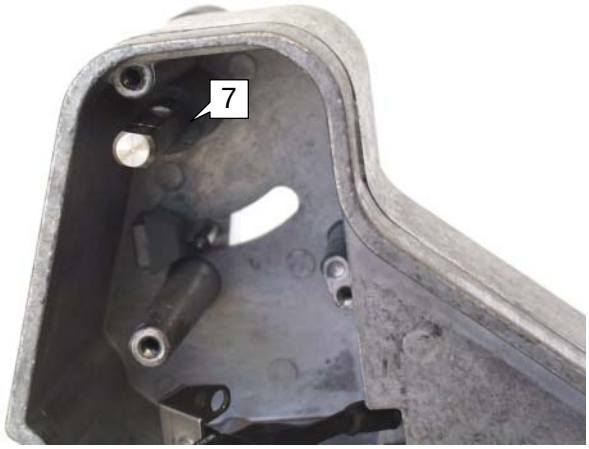
2. Remove the spacer spring (3).
3. Detach the tension spring (2) at the bottom (4).
4. Pull the spring holder (5) off the axle (6).



Bouncer arm

Disassembling/assembly

1. Disassembling all parts up to the section "Tension spring", step 4.
2. Remove the retaining ring (7) and bouncer arm.



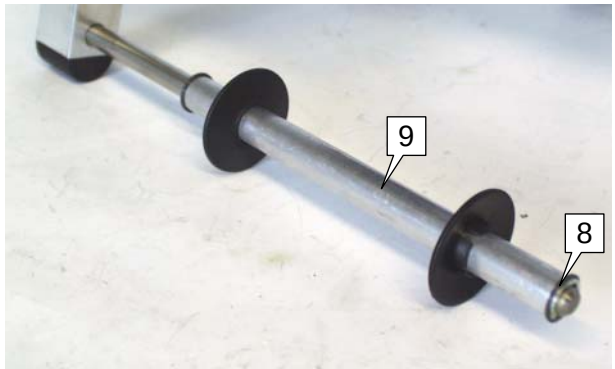
Guide roller

Tool

– Screwdriver, small

Disassembling/assembly

➔ Remove the retaining ring (8) and guide roller (9).



(AP 5.4) Run-in roller for narrow labels

To improve the guiding accuracy of AP 5.4 printers processing very narrow label material, it is recommended to install an additional run-in roller (1) (article number A100422).

At older rewinders, an additional hole according to fig. (2) must be drilled before installing the run-in roller.

Tools:

2/2.5 mm allen keys

Assembling:

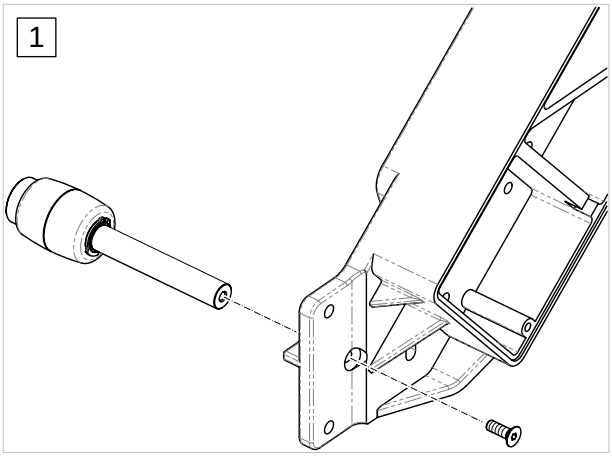
➔ Screw the axle of the run-in roller to the hole as illustrated (1).

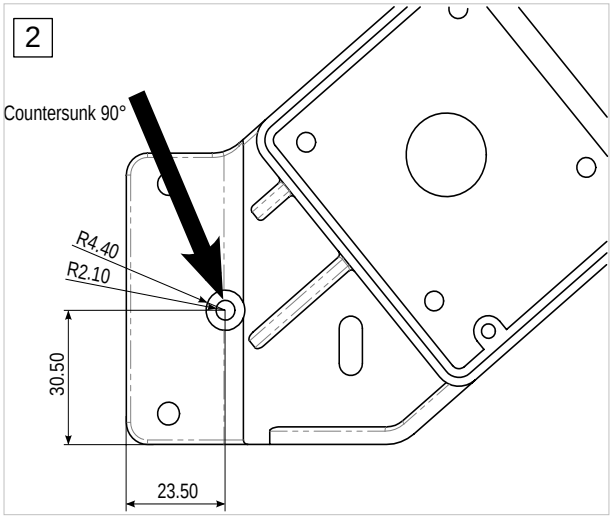
Adjusting:

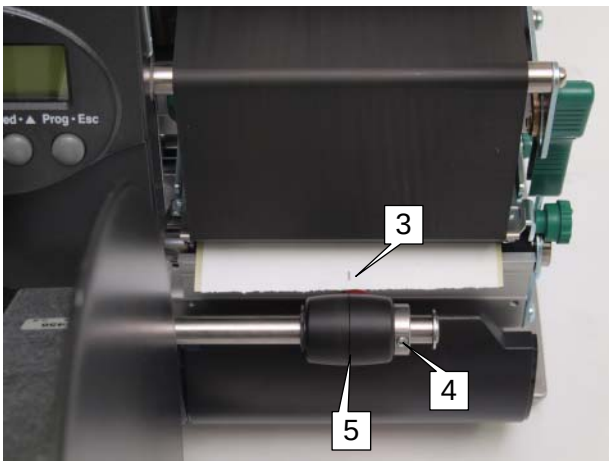
1. Measure the centre of the label material and mark it (3).
2. Loosen the set screw (4).
3. Shift the roller on the axle until the centre groove on the roller (5) is in front of the mark (3) on the material.
4. Re-tighten the set screw (4).

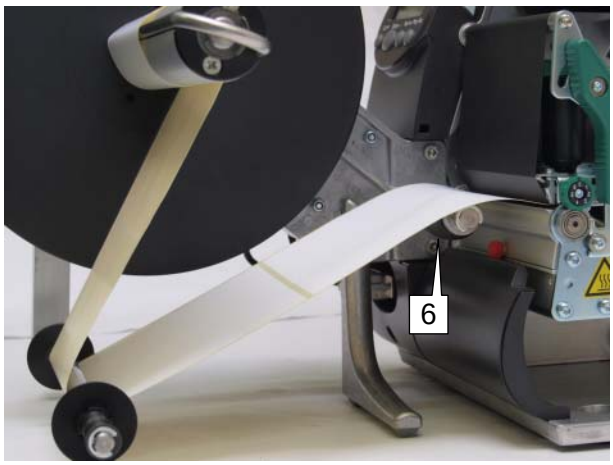
Material path:

➔ Insert the material so that it runs *over* the roller (6).









Technical Specifications

Motor Stepper motor

Position sampling Infrared light barrier

Rot. direction Free selectable – Rewind direction with label facing outside or inside.

Rewind speed Max. 203 mm/s (8"/s)

Spezification material roll	Max. outer-Ø	230 mm
	Core Inner-Ø	38/76/102 mm (1,5/3/4")
	Min. material width	= Minimal print width
	Max. material width	= Width of the rewinding mandrel (102/127/152 mm resp. 4/5/6")
	Max. roll weight	5 kg

Noise level < 70dB(A)

Troubleshooting

General

➠ The status reports should be printed and evaluated to check the mechanical and electronic functional capability if no obvious defects are evident.

❍ Information about the status reports can be found in the chapter "Info Printouts and Parameters".

➠ Gray background: Those are the most common causes in cases of a not-stirring-at-all rewinder.

Feature	Possible cause	Solution
Material slips on the core	Clamping lever forgotten	Attach clamping lever
	Material not secured to the core	Secure the material
	Paper core too large	Replace paper core or install a larger rewinder core
Material runs to the inside or outside	Bouncer arm bent	Adjust bouncer arm
	Material guide set incorrectly	Adjust material guide
	Rewinder not screwed to the printer	Attach the rewinder properly
Rewinder does not run	Printer is not supplied with peripherals preparation	retrofit p. p.
	64-xx / AP 5.4: Wrong PIC version on the output stage board	Check the PIC version. If necessary, exchange the PIC or the whole output stage board.
	Connector cable not attached	Plug in the stepper motor
	Stepper motor defect	Replace the stepper motor
	Peripheral device board defect	Check board and replace if necessary
	Photoelectric switch wedge not installed correctly	Check and adjust if necessary
	Toothed belt defect	Check and replace toothed belt if necessary
	Belt tensioner loose	Check and tension if necessary
Direction of rotation incorrect	Direction of rotation incorrectly set	Check and alter if necessary
Printer tilts forward	Support leg not set properly	Check and alter if necessary
	Roll weight too heavy	Check and use smaller roll if necessary
	Printer is standing on an uneven surface	Place the printer on an even surface
Bouncer arm does not deflect	Spring is not functioning	Check; attach or replace spring as required
Guide roller is jammed	Guide roller is dirty	Check and clean if necessary

❍ Notes about printer troubleshooting can be found in the Service Manual of the printer in question, chapter "Troubleshooting".

Appendix

Pin assignment light barrier board

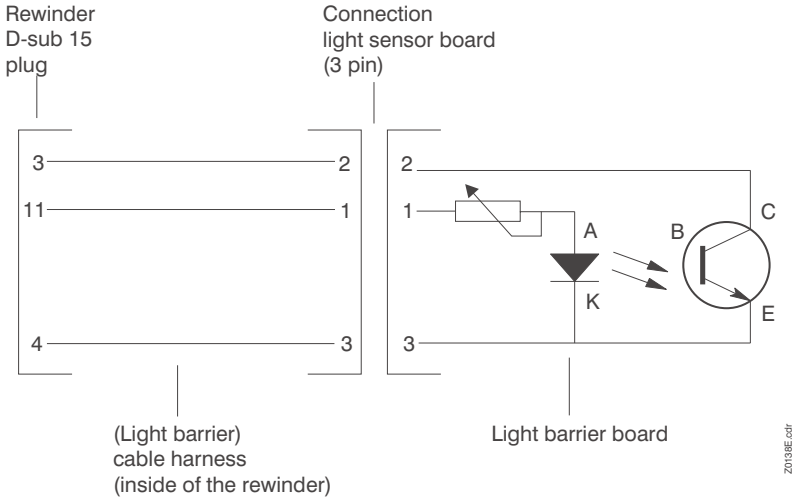


Fig. 8 Pin assignment between the light barrier board and rewinder cable harness

Pin assignment D-Sub plug

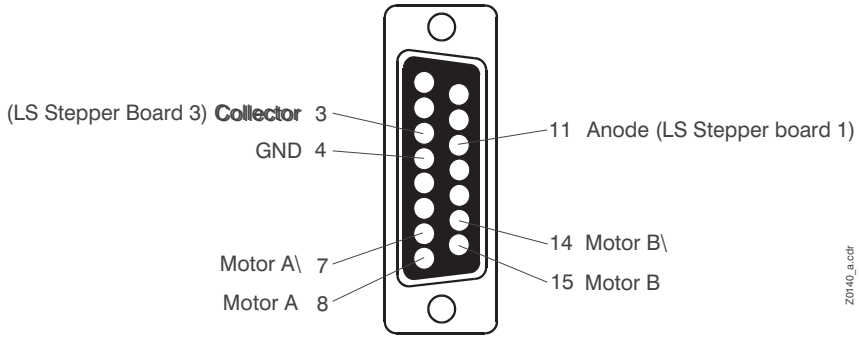


Fig. 9 Pin assignment D-Sub plug at the rewinder cable harness

Index

A
Application ... 2
Assembly, rewinder ... 4

B
Belt tensioner ... 23
Bouncer arm ... 25
return spring ... 25
Buffer disc ... 22

C
Cable harness ... 24

D
Direction of rotation ... 5

G
Guide roller ... 25

L
Light barrier ... 24
Light barrier wedge ... 25

M
Material, inserting ... 15
Mounting, rewinder ... 4

O
Output stage setting
– 64-xx ... 19
– TTK ... 20
– TTX 350 ... 20

P
Pin assignment light barrier board ... 29
properties ... 2

R
Rewinder core ... 21
Rotation speed 64-xx ... 6
Run-in roller for narrow labels (AP 5.4) ... 26

S
Sensor adjustment
– 64-xx ... 13
– TTK ... 9
– TTX 350 ... 9
Setup
– 64-xx ... 11
– TTK ... 7
– TTX 350 ... 7
Starting ... 17
Status report ... 28
Status reports ... 14
System requirements ... 3

T
Tension spring ... 25
Toothed belt ... 23
Troubleshooting ... 28